

Amendments to the Claims:

Claims 1 – 6 (Canceled).

7. (Currently Amended): An isolated, cell wall associated, 22.5 kD *Streptococcus uberis* protein, or an immunogenic fragment of said protein having a length of at least 33 amino acids, ~~wherein said protein or immunogenic fragment thereof has a sequence homology of at least 93 % with said protein having~~ the amino acid sequence depicted in SEQ ID NO: 2, ~~and is immunoreactive with antisera from *Streptococcus uberis* infected cows.~~

Claim 8 (Canceled).

9. (Previously presented): The isolated 22.5 kD *Streptococcus uberis* protein or an immunogenic fragment of said protein according to claim 7, wherein said protein or immunogenic fragment is encoded by the nucleic acid sequence set forth in SEQ ID NO:1.

10. (Previously presented): An immunogenic composition comprising an isolated 22.5 kD *Streptococcus uberis* protein or an immunogenic fragment thereof according to claim 7.

Claims 11 – 20 (Canceled).